



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

#11

**Applicant:** Roberts et al.

**Divisional of  
Serial No.:** 09/974,760

**Filed:** October 9, 2001

**Entitled:** lovE Variant Regulator Molecules

**Examiner:**

**Group Art Unit:**

**Attorney Docket No.:** MIC-005A (1003/006)

Assistant Commissioner for Patents  
Box IDS  
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Applicants and their attorney are aware of the following publications and information listed on the attached PTO Form 1449, and in accordance with 37 C.F.R. §1.97 hereby submit these publications for the Examiner's consideration.

Copies of references C2, C5, C13, C18, C23, C24, C31, C32 and C33 are not provided herewith as these are books and are too voluminous to copy.

Applicants state under 37 C.F.R. §1.97(e)(1) that none of the publications were cited in an International Search Report issued in connection with a counterpart Patent Cooperation Treaty application.

This submission does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art. If it should be determined that any of the listed documents constitute "prior art" under United States law, Applicants reserve the right to present to the Office relevant facts and law regarding the appropriate status of such documents.

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This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits and is therefore submitted as both timely and proper. Therefore, no fees are believed to be due.

Respectfully submitted,

Date:

5/21/02

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5/21/02  
Wayne A. Keown

**INFORMATION DISCLOSURE IN AN  
APPLICATION**


Docket Number	Application Number
MIC-005A	09/974,760
Applicant	
Roberts et al.	
Filing Date	Group Art Unit
10/09/01	TBA

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A1	4,554,101					

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES NO	
B1	WO00/37629	12/13/99	PCT				

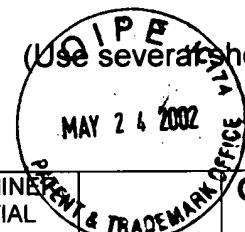
EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
C1	Kyte et al. (1982), "A Simple Method for Displaying the Hydropathic Character of a Protein," <i>Mol. Biol.</i> 157:105-132.	
C2	(1991) <i>More Gene Manipulations in Fungi</i> , Bennet et al. (Eds.), Academic Press, Inc.	
C3	Muhirad et al. (1992), "A Rapid Method for Localized Mutagenesis of Yeast Genes," <i>Yeast</i> 8:79-82.	
C4	Su et al. (1993), "Identification of Functionally Related Genes That Stimulate Early Meiotic Gene Expression in Yeast," <i>Genetics</i> 133:67-77.	
C5	(1993) <i>Current Protocols in Molecular Biology</i> , Ausubel et al. (Eds.), John Wiley & Sons, Inc..	
C6	Woloshuk et al. (1994), "Molecular Characterization of <i>aflR</i> , a Regulatory Locus for Aflatoxin Biosynthesis," <i>Appl. Environ. Microbiol.</i> 60:2408-2414.	
C7	Tilburn et al. (1995), "The <i>Aspergillus PacC</i> zinc finger transcription factor mediates regulation of both acid- and alkaline- expressed genes by ambient pH," <i>14 EMBO J.</i> 4:779-790.	
C8	Brown et al. (1996), "Twenty-five coregulated transcripts define a sterigmatocystin gene cluster in <i>Aspergillus nidulans</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 93:1418-1422.	
C9	MacCabe et al. (1996), "Identification, cloning and analysis of the <i>Aspergillus niger</i> gene <i>pacC</i> , a wide domain regulatory gene responsive to ambient pH," <i>Mol. Gen. Genet.</i> 250:367-374.	
C10	Suarez et al. (1996), "Characterization of a <i>Penicillium chrysogenum</i> gene encoding a <i>PacC</i> transcription factor and its binding sites in the divergent <i>pcbAB-pcbC</i> promoter of the penicillin biosynthetic cluster," <i>Mol. Microbiol.</i> 20:529-540.	
EXAMINER:		DATE CONSIDERED:

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy with next communication to Applicant.

**INFORMATION DISCLOSURE IN AN  
APPLICATION**

(Use several sheets if necessary)

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Docket Number

MIC-005A

Application Number

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Applicant

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Filing Date

10/09/01

Group Art Unit

TBA

EXAMINER  
INITIAL

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

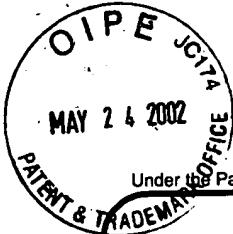
C11	Lambert et al. (1997), "Genetic Analysis of Regulatory Mutants Affecting Synthesis of Extracellular Proteinases in the Yeast <i>Yarrowia lipolytica</i> : Identification of a RIM101 /pacC Homolog," <i>Mol. Cell Biol.</i> 17:3966-3976.
C12	Trapp et al. (1998), "Characterization of the gene cluster for biosynthesis of macrocyclic trichothecenes in <i>Myrothecium roridum</i> ," <i>Mol. Gen. Genet.</i> 257:421-432.
C13	Branden et al. (1999), <i>Introduction to Protein Structure</i> , Karolinska Institute, Stockholm, Sweden
C14	Hendrickson et al. (1999), "Lovastatin biosynthesis in <i>Aspergillus terreus</i> : characterization of blocked mutants, enzyme activities and a multifunctional polyketide synthase gene," <i>Chem. Biol.</i> 6:429-439.
C15	Kennedy et al. (1999), "Modulation of Polyketide Synthase Activity by Accessory Proteins During Lovastatin Biosynthesis," <i>Science</i> 284:1368-1372.
C16	Litzka et al. (1999), "Transcriptional control of expression of fungal B-lactam biosynthesis genes," <i>Antonie van Leeuwenhoek</i> 75:95-105.
C17	Matsumoto et al. (1999), "The Trichothecene Biosynthesis Regulatory Gene from the Type B Producer <i>Fusarium</i> Strains: Sequence of Tri6 and Its Expression in <i>Escherichia coli</i> ," <i>Biosci. Biotechnol. Biochem.</i> 63:2001-2004.
C18	(1999) <i>PCR Applications: Protocols for Functional Genomics</i> , Innis et al. (Eds.), Cold Spring Harbor Press.
C19	Hutchinson et al. (2000), "Aspects of Biosynthesis of Non-Aromatic Fungal Polyketides by Iterative Polyketide Synthases," <i>Antonie van Leeuwenhoek</i> 78:287-295.
C20	Lesova et al. (2000), "Factors affecting the production of (--) -mitorubinic acid by <i>Penicillium funiculosum</i> ," <i>J. Basic Microbiol.</i> 40:369-375.
C21	Schmitt et al. (2000), "The Fungal CPCR1 Protein, Which Binds Specifically to B-Lactam Biosynthesis Genes, Is Related to Human Regulatory Factor X Transcription Factors," <i>J. Biol. Chem.</i> 275:9348-9357.
C22	Tag et al. (2000), "G-protein signaling mediates differential production of toxic secondary metabolites," <i>Mol. Microbiol.</i> 38:658-665.
C23	(2000) <i>Methods in Yeast Genetics</i> , 2000 Edition, Burke et al. (Eds.), Cold Spring Harbor Press.

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PTO/SB/21 (08-00)  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/974,760
		Filing Date	10/09/2001
		First Named Inventor	Roberts
		Group Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	6	Attorney Docket Number	MIC-005A (1003/006)

### ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	1. PTO Form 1449 2. Copies of References 3. Return postcard	

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Wayne A. Keown - Reg. No. 33,923
Signature	
Date	5/21/02

### CERTIFICATE OF MAILING

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